



AMP | Circular Plastic Connectors Series 1, AMP Type III+

TE Internal #: 2-66102-5

Tin (Sn), Pin Contact, 24 – 20 AWG, 250 VAC, 250 VDC, .2 – .6 mm<sup>2</sup>

Wire, Spring Contact Retention, 394.71 – 1184.12 CMA, Size 16,

Crimp, AMP Type III+

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Tin**

Operating Voltage: **250 VDC**

**Features**

**Electrical Characteristics**

Operating Voltage	250 VDC
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**Contact Features**

Contact Length	27.1 mm[1.067 in]
Barrel Type	Open
Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	13 A
Mating Pin Diameter	1.57 mm[.062 in]
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Matte



Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

#### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

#### Mechanical Attachment

Contact Retention Type Within Housing	Spring
Wire Insulation Support	With

#### Dimensions

Wire Size	394.71 – 1184.12 CMA
Compatible Insulation Diameter Range	1.02 – 2.03 mm[.04 – .08 in]

#### Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
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#### Operation/Application

Circuit Application	Power & Signal
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#### Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

#### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



TE Part # 206516-1  
CPC PLUG ASSEMBLY SIZE 11-4



TE Part # 213853-1  
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 213849-1  
CPC PLUG ASSEMBLY SIZE 17-16



TE Part # 208716-1  
CMC PLUG ASSEMBLY, SZ 14



TE Part # 208718-2  
CMC PLUG ASSEMBLY, SZ 14-5



TE Part # 200893-2  
INSERTION TOOL CONT



TE Part # 211770-2  
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 1977878-1  
SLD CPC PLUG ASY, 11-4, STD SEX, UV RESIST



TE Part # 796274-1  
SLD CPC PLUG ASSY, 17-16, STD SX



TE Part # 796188-1  
SLD CPC PLUG ASSY, 23-24, STD SX



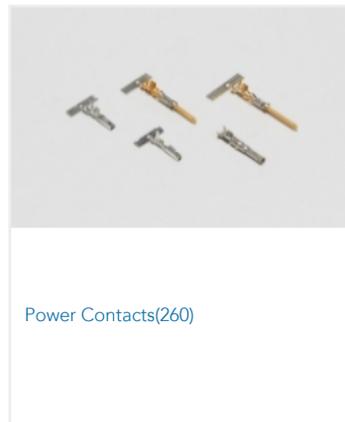
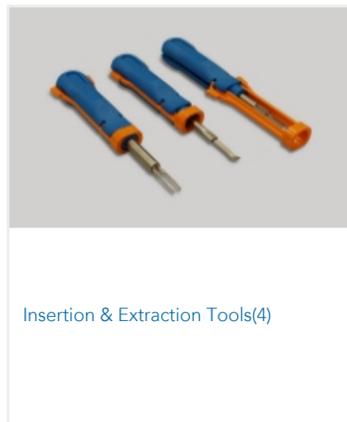
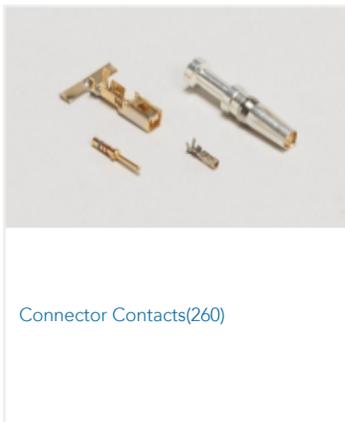
TE Part # 796271-1  
SLD CPC PLUG ASSY, 17-14, REV SX



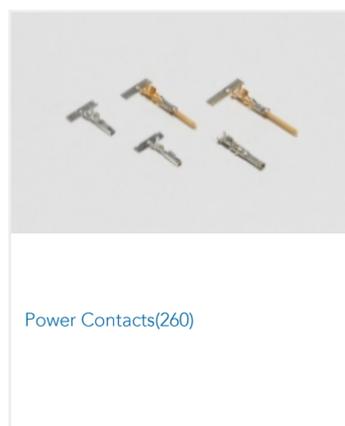
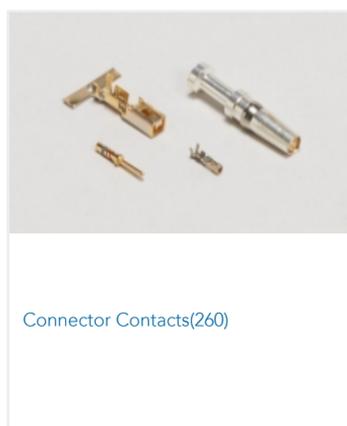
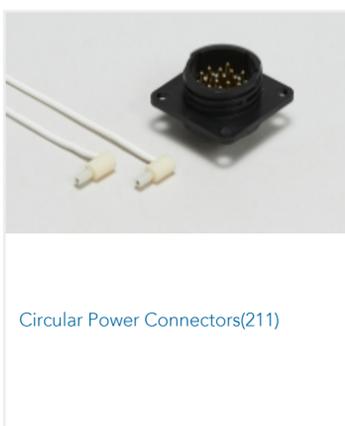
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SLD CPC PLUG ASSY, 17-16, STD SX



Also in the Series | **AMP Type III+**



Also in the Series | **Circular Plastic Connectors Series 1**



Customers Also Bought



## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-66102-5\\_BB.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-66102-5\\_BB.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-66102-5\\_BB.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

#### AMP Circular Connectors for Commercial Signal & Power Applications

English

### Signal Contacts

English



## M\_SERIES\_PIN\_AND\_SOCKET\_CONNECTORS

English

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**Product Specifications**

**Application Specification**

English